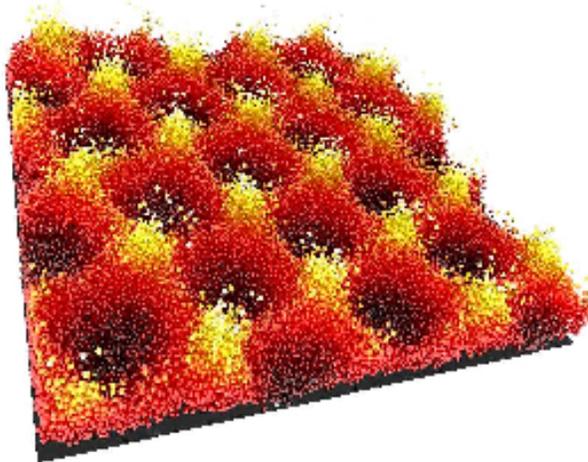


Los Alamos National Laboratory • Centro Brasileiro de Pesquisas Fisicas • Consortium of the Americas for Interdisciplinary Science • University of New Mexico

# ANOMALOUS DISTRIBUTIONS, NONLINEAR DYNAMICS AND NONEXTENSIVITY

November 6-9, 2002  
Santa Fe, New Mexico, USA



## Organizers:

Alan R. Bishop (LANL), Harry Swinney (U. Texas),  
Constantino Tsallis (CBPF), V.M. Kenkre (UNM),  
Robert E. Ecke (LANL), Eli Ben-Naim (LANL) and  
Zoltán Toroczkai (LANL)

This meeting will focus on anomalous distributions in turbulence, dynamical systems, granular matter, atomic physics, and other diverse systems. The workshop will examine in particular phenomena in physics, chemistry, biology, and other fields where nonextensive generalizations of entropy and Boltzmann-Gibbs statistical mechanics have yielded predictions that can be compared with experiments and models.

## Speakers Include

S. Abe  
(Tsukuba)

E.G.D. Cohen  
(Rockefeller)

R. Kraichnan  
(Los Alamos)

A.R. Plastino  
(La Plata)

H.E. Stanley  
(Boston)

T. Arimitsu  
(Tsukuba)

A. Coniglio  
(Naples)

M.L. Lyra  
(Maceio)

F.M. Ramos  
(Sao Jose dos Campos)

H.L. Swinney  
(Texas)

H. van Beijeren  
(Utrecht)

P. Coulet  
(Nice)

J.L. Lebowitz  
(Rutgers)

A.K. Rajagopal  
(NRL, Washington)

C. Tsallis  
(Rio de Janeiro)

C. Beck  
(London)

H. Frauenfelder  
(Los Alamos)

E. Ott  
(Maryland)

A. Rapisarda  
(Catania)

E. Weeks  
(Emory)

A.R. Bishop  
(Los Alamos)

J.P. Gollub  
(Haverford)

M. Peyrard  
(ENS, Lyon)

M. Shlesinger  
(ONR, Washington)

H.S. Wio  
(Bariloche)

E. Bodenschatz  
(Cornell)

G.M. Zaslavsky  
(New York)

On Friday afternoon, there will be a session honoring T. Arimitsu, C. Beck and F.M. Ramos for their pioneering applications of nonextensive statistical mechanics to turbulence. On Friday evening there will be a banquet with keynote speaker Hans Frauenfelder.

Administrative Coordinator: Mr. Roderick Garcia, (505) 667-1444, rgarcia@lanl.gov  
For more information visit: <http://chb.lanl.gov/Conferences/AnomDist/NEXT02.htm>